

**U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEET**

DPM 5041-1
FORM NO. OSHA-20 (MODIFIED)
MAY 1971

MDC CONTROL NO. _____

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME PEMACO INC.		EMERGENCY TELEPHONE NO. Lu-17185
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 5989 District Blvd. Los Angeles, Calif. 90040		
CHEMICAL NAME AND SYNONYMS Tris(hydroxymethyl)nitromethane	TRADE NAME AND SYNONYMS Formula 350 DPM 5041 - 1	
CHEMICAL FAMILY Nitro Alcohol	FORMULA (CH₂OH)₃CN₆₂	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
Tris(hydroxymethyl)nitromethane				50	
Water				50	

SECTION III: PHYSICAL DATA

BOILING POINT (°F)		SPECIFIC GRAVITY (H ₂ O = 1) 20/20 °C	1.222
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	220g/100ml		
APPEARANCE AND ODOR	Colorless to pale yellow liquid; faint mild odor		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Water			
SPECIAL FIRE FIGHTING PROCEDURES			

UNUSUAL FIRE AND EXPLOSION HAZARDS

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

Not a primary irritant and not a sensitizing agent

May be harmful if swallowed

EMERGENCY AND FIRST AID PROCEDURES

Flush off, Wash with soap and water. This material

is not a sensitizer

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE neutral	Alkaline pH unless this is essential to its action

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

At alkaline pH will release formaldehyde slowly

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	X

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush away with water

WASTE DISPOSAL METHOD

Flush to sewer with plenty of water

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Crystallization point approximately 60° F. Keep warm

OTHER PRECAUTIONS

PREPARED BY

DATE